

as that of the photodiode portion 1 and the width L_{2-4} or W_4 of a gate portion 12b of the readout gate 12A and the gate length l_{1-4} at the vertical CCD portion 3 side is unchanged ($l_{1-4} = l_{1-1}$).

On page 8, the paragraph starting at line 9 is amended as follows:

The CCD imaging apparatus employs two types of gates, gate portions 12A and 12B. One of them is a gate used during charge readout (read-out gate 12A), placed below the former (barrier gate 12B). In a portion where the two gates (read-out gate 12A and barrier gate 12B) overlap, the barrier gate 12B or the gate not related to readout is dominant.

On page 8, the paragraph starting at line 15 is amended as follows:

The embodiment is characterized in that the barrier gate 12B or a gate not related to charge readout is cut in a slanted line form as described above the width L_{2-5} or W_4 of the readout gate portion 12a adjacent to the photodiode portion 1 is widened, so that an electric field applied to that portion is intensified during activation so that charges within the photodiode portion 1 can be easily read out.

REMARKS

Claims 1-10 are pending in the above-identified application. Claims 1-10 were rejected. Accordingly, claims 1-10 are at issue in the above-identified application.

I. 35 U.S.C. ¶ 112(1) New Subject Matter Rejection of Claims

The Examiner rejected Claims 9 and 10 under 35 U.S.C. ¶ 112(1) for purportedly containing subject matter not described in the specification. In particular, the Examiner stated that "the newly added limitation [to Claim 9] of the gate portion comprising a barrier gate portion is not supported by the specification as originally filed." Applicants traverse this rejection.